



Contributiones ad Floram Asiae Orientalis

(Continued from p. 138.)

by

Geniti Koidzumi Rigakuhakushi

Ochrosia hexandra Koidz. n. sp.

Species distinctissima floribus hexameris.

Arbor medioeris 6-7 ped. alta glaberrima, ramorum cortice luteo-viridescente, ramulis patentibus teretibus verticillatis. Folia breviter petiolata, verticillata et terna, chartacea, supra laete viridia et nitidiuscula, subtus pallide viridia, linearia raro lineari-oblongata usque 13 cm. longa et 3 cm. lata, obtusa raro rotundato-emarginata, basi cuneato-decurrentia, integerrima et leviter revoluta, venis densis transverse striata. Cymae in axillis foliorum superiorum solitariae vel geminae, brevipedunculatae, 6-circ. 10-florae; floribus albis subsessilibus vel sessilibus, bracteolis carnosis ovatis in pedicello oppositis vel ad basin ejus una. Calyx carnosus glaber profunde 6-lobatus, lobis ovatis obtusis vel acutis circ. 2 mm. longis dextrorsum imbricatis erectis persistentibus. Corolla hypocraterimorpha circ. 10 mm. longa; tubo cylindrico et ad insertionem staminis leviter inflato, 4 mm. longo, intus pilis horizontalibus puberulo; lobis 6 lineari-oblongis glabris dextrorsum imbricatis. Stamina 6 ad $\frac{1}{2}$ tubi corollae inserta, filamentis brevissimis, antheris sagittato-lanceolatis apice muticis. Ovaria 2 dimidiato-ovoidea faciebus planis arcte contigua, unilocularia, ovula 6 ad placentam erassam biserialiter affixa, stylis terminalibus versus apicem connatis, stigmatibus anguste oblongo-ovoides. Drupa geminata ellipsoidea valde diversa colore pulchro flava; putamine lignoso compresso-ellipsoideo $3\frac{1}{2}$ -4.0 cm. longo, 19-23 mm. lato, circ. 10 mm. crasso, ventre leviter sulcato.

NOM. JAP. Hosoba-yarado (nov.)

DISTR. Bonin Archipelago: Volcano islands, insl. Sulphur septentr., (lg. S. NISHIMURA! no. 148, IV. 29, 1918.)

Rapanea Maximowiczii Koidz. n. sp. [*latifolia*]

Myrsine neriifolia S. et Z. var. *latifolia* MAXIM. in litt. (Herb. Sci. Coll. Imp. Univ. Tokyo. no. 30.)

Quoad inflorescentiam ad *R. capitellatae* MEZ. affinis, sed foliis obtusissimis vel rotundatis facile distinguenda.

Arbuseculus glaber 6-7 ped. altus, 15-18 cm. in diametro, ramis griseis vel nigris, lenticellis minutis orbicularibus dispersis. Folia coriacea oblanceolata vel subspathulata 4-11 rarius 2½-4 cm. longa, 1-3 cm. lata, integerrima, apice rotundata raro obtusissima vel emarginato-rotundata, basi sensim acutata, petiolis 4-7 mm. longis. Inflorescentiae e ramulis brevissimis verruculiformibus formatae, circ. 3-6-florae, umbelluliformes, floribus albis 4-5-meris vix 3 mm. longis sessilibus arcte confertissimis, bracteis ovatis obtusis 1 mm. longis. Calyx profunde 4-5-fidus, laciniis ovatis acutiusculis vix 1 mm. longis persistentibus. Corolla profunde 4-5-loba, lobis elliptico-oblongis obtusiusculis circ. 2 mm. longis, calycis lobisque punctis rotundatis vel lineari-elongatis paucis praeditis. Stamina 4 vel 5, antherae ovatae apice muticae ad basin corollae lobi adnatae, filamentis obsoletis. Ovarium ovoideum, stylis teretibus fere 1 mm. longis, stigmate punctiforme. Fructus globosus circ. 4 mm. crassus sessilis siccus griseus, endocarpio lignoso.

NOM. JAP. Shima-daimintachibana, (nov.)

DISTR. Bonin: insl. Chichishima (lg. S. NISHIMURA! no. 82, 48, 111.)

Evonymus boninensis Koidz. n. sp.

Evonymus japonica HOOK. et ARN. in Bot. BEECH. Voyag. (1841) p. 261, t. 54, (non THUNB.)

A *E. japonica* THUNB. cui habitu et florum forma haud dissimile, ramulis tenuibus gracilibus, foliis tenuioribus duplo minoribus subtus venis obscuris, petiolis pedunculisque brevioribus, floribus minoribus recedit.

Glaberrima sempervirens, ramis fuscis leviter striatis. Folia opposita raro verticillata vel alterna tenue coriacea vel chartacea, plerumque obovata rarius elliptica vel oblongo-oblanceolata 2-4½ cm. longa, 1-3 cm. lata, apice rotundata rarissime obtusissima, basi acuta rarissime subrotundata, margine leviter crenata rarissime integerrima vel versus basin integra, petiolis 2-5 mm. longa. Inflorescentia circ. 4-5 cm. longa, plerumque ter dichotome furcata, pedunculis 2-2½ cm. longis, florum pedicellis 1-4 mm. longis; floribus tetrameris. Capsula globosa circ. 6-7 mm. in diametro.

NOM. JAP. Himemasaki (nov.)

DISTR. Bonin: insl. Chichishima, Sakaiura (lg. S. NISHIMURA! no. 332.), Sigureyama (lg. S. NISHIMURA! no. 21, April 29, 1916.)

Quercus (Cyclobalanopsis) **yayeyamensis** Koidz. n. sp.

Hacc species *Q. Miyagii* Koidz. valde affinis, sed folia subtus haud glauca.

Arbor; gemma lanceolata 15 mm. longa, squamis exterioribus ovatis interioribus lanceolatis; foliis junioribus laxe sericeo-pubescentibus, adultis glabris, in specimina sicca subtus glaucescentibus, lanceolatis obtuse acuminatis, basi rotundatis et subito acute decurrentibus, 8–12 cm. longis, 2,3–4,0 cm. latis, margine fere integris raro versus apicem mucronato-serrulatis, nervis secundariis circ. 10–11 arcuato-ascendentibus; petiolis circ. 8–12 mm. longis. Cupula lignosa hemisphaerico-subpatelliformis circ. 3–2 cm. in diametro, 8–1,5 cm. alta, intus tomentosa, extus laminis annularibus 7–9 basi tomentosis margine crenatis praedita; pedicellis clavatis 4–5 mm. longis. Glans ovoidca 22–24 mm. alta basi 20–24 mm. lata basi verticeaeque tomentosa, apice subito apiculata, basi grosse depressa.

NOM. JAP. Yayeyamagashi (nov.)

DISTR. Luchu: Yayeyama islands. (leg. K. NARITO!)

Ficus (Eusyce) **Nishimurae** Koidz. n. sp.

Species *F. boninsimae* Koidz. proxima, differt foliis crassioribus late ellipticis vel orbiculari-ellipticis apice rotundatis.

Arbuseula glabra ramis vetustioribus griseo-fuscis hornotinis fuscis. Folia rigide coriacea late vel orbiculari-elliptica 8–13 cm. longa $5\frac{1}{2}$ –10 cm. lata apice rotundata raro obtusissima basi rotundata margine integerrima, nervis secundariis utraque latere 6–8; petiolis $2\frac{1}{2}$ – $3\frac{1}{2}$ cm. longis. Receptacula ♂ glabra in axillis foliorum solitaria vel geminata, 6–9 mm. in diametro, intus glabra ostiolo non prominente ore multi-bracteolato, pedunculis 5–8 mm. longis, floribus ♂ cecidiophoris et bracteis ovatis intermixta. Fl. ♂: pedicellati vel sessiles, diandri, perigonii segmentis 3–4 ovatis acutiusculis vel obtusis, anthera late elliptica carnosula, filamentis brevissimis; floribus cecidiophoris sessilibus vel pedicellatis tepalis 3–4.

NOM. JAP. Oh-tokiwa-inubiwa (nov.)

DISTR. Bonin: insl. Hahajima (leg. S. NISHIMURA! no. 104, Oct. 21, 1917.)

Thea (Camellia) **tegmentosa** Koidz. n. sp.

Camellia drupifera? ITO in ITO et MATSUM. Tent. Fl. Lutch. (1899) p. 66. (nom LOUR.)

Ab omnibus ceteris Asiaticis ovarii pubescentibus trilocularis, ramulis novellis glabris versus basin tegmenta foliacea una instructis, foliis oblongis 9 cm. longis, 3 cm. latis obtusisque distincta.

Rami cortice griseo vel fusco laeve, ramulis novellis basi parce pubescentibus et tegmenta persistente una spathulata 12-16 mm. longa apice mucronulata intus glabra extus secus costas medias adpresse sericeo-pubescente margine ciliata instructis. Folia novella praeter costas medias supra adpresse sericeas glabra, adulta rigide coriacea glabra oblonga raro anguste oblonga obtusa, basi cuneata, margine versus apicem serrulata, utraque pagina elevato-punctata, venis indistinctis; petiolis 5-7 mm. longis mox glabris. Ovaria trilocularia dense sericeo-pubescentia. Capsula 15 mm. alta dense pubescentia pilis crispatis.

NOM. JAP. Sakaki-tsubaki (Y. TASHIRO.) Sasanquamodogi (T. ITO.)

DISTR. Luchu: insl. Okinawajima, m't. Gengazan (leg. Y. TASHIRO! no. 10, Apr. 1887.)

Thea (*Camellia*) *Miyagii* KOIDZ. n. sp.

Species *T. Sasanqua* NOIS. affinis, sed floribus minoribus, stylis longioribus, foliis glabris subtus venis fere obsoletisque longe diversa.

Rami cortice griseo-fusco laeve. Folia rigide coriacea glabra supra nitidiuscula utrinque elevato-punctata elliptica vel oblonga 2, 2-4, 4 cm. longa 9-1,9 cm. lata, obtusa basi acuta integra, margine crenulata; petiolis 1-3 mm. longis. Flores solitarii sessiles erecti, bracteis sepalisque pluris imbricatis rotundatis coriaceis extus adpresse sericeo-pilosis; petalis obcordatis apice manifeste emarginatis extus adpresse sericeo-pilosis circ. 23 mm. longis; staminibus numerosis in anulum alte connatis; ovario densissime albo-lanato triloculare, stylis 3 fere ad medium connatis glabris.

NOM. JAP. Okinawa-sasanqua (nov.)

DISTR. Luchu: insl. Okinawajima, m't. Nagotake (leg. T. MIYAGI! no. 206, Nov. 26, 1911.)

Thea *virgata* KOIDZ. n. sp.

Camellia euryoides? T. ITO in ITO et MATSUM. Tent. Fl. Lutchu. I. (1899) p. 64. (non LINDL.)

Species *T. sinkoensi* HAYAT. affinis, sed foliis minoribus angustioribus ramulis plerumque virgatis jam dignoscenda.

Rami cortice nigro vel griseo laeve, ramulis glabris virgatis vel erecto-patentibus. Folia ab initio fere glaberrima coriacea supra nitidiuscula, oblonga vel anguste oblonga raro oblanceolato-oblonga utrinque angusta, obtusa basi cuneata integra $4\frac{1}{2}$ – $9\frac{1}{2}$ cm. longa 1 – $3\frac{1}{2}$ cm. lata, margine crenato-serrata; petiolis 5–15 mm. longis supra profunde canaliculatis; floribus in axillis foliorum solitariis sessilibus vel brevipedicellatis; bracteis sepalisque inaequalibus rotundatis extus sericeo-pilosis intus glabris; capsula obovoidea circ. 2 cm. longa apice breviter apiculata extus adpresse sericeo-tomentella.

NOM. JAP. Hisakaki-sasanqua (T. ITO.)

DISTR. Luchu: insl. Okinawajima (lg. S. TANAKA! no. 160, Maio 20, 1891; lg. T. MIYAGI! no. 493, Aug. 8, 1907.)

Eurya boninensis Koidz. n. sp.

E. chinensi f. *macrophyllae* valde affinis sed omnibus partibus glaberrimis facile distinguenda.

Rami cortice fuscescence ruguloso, ramulis glabris. Folia chartacea glabra oblonga vel anguste oblonga 4–8 cm. longa 1,7–2, 7 cm. lata rarius elliptica vel lineari-oblonga apice anguste obtusa et leviter emarginata, basi acuta, margine crenato-serrata; petiolis circ. 2 mm. longis; capsula obovoidea circ. 4 mm. alta glabra apice breviter apiculata basi bractecolis sepalisque pluris rotundatis vestita, pedicellis $1\frac{1}{2}$ – $2\frac{1}{2}$ mm. longis.

NOM. JAP.

DISTR. Bonin: insl. Chichishima, in Lenjudani (lg. S. NISHIMURA! no. 52, Jul. 15, 1917.)

Elaeocarpus pachycarpa Koidz. n. sp.

Species *E. ellipticae* MAKINO remote affinis, differt sepalis tomentosis, floribus majoribus, foliis breviter acuminatis crassioribus firmioribus.

Arbor magna trunco 8–10 metr. alto 1–2 ped. lato, ramis vetustioribus nigris verrucosis versus apicem pubescentibus, ramulis hornotinis velutino-tomentosis. Folia rigide coriacea utrinque ad costas medias adpresse pubescentia, oblonga vel anguste oblonga 5–10 cm. longa 1,7–3,7 cm. lata apice obtuse producta, basi in petiolum attenuata, margine serrato-crenata; petiolis 7–18 mm. longis dense pubescentibus. Racemi 4–8 cm. longi simplici versus apicem ramulorum hornotinorum axillares, floribus 9–10 mm. longis albis, pedicellis pedunculisque velutino-tomentosis. Sepala 5 ovato-lanceolata acuta 6 mm. longa $2\frac{1}{2}$ mm. lata utrinque velutino-puberulenti-tomentosa.

Petala 5 cuneiformia apice lobata ac fimbriata basi integra dorso parce puberula. Discus lobatus tomentosus. Stamina copiosa filamentis $1\frac{1}{2}$ –2,0 mm. longis glabris, antheris linearibus circ. 3 mm. longis dense puberulis apice bifidis. Ovarium ovoideum puberulenti-tomentosum, stylis subulato-filiformibus dense puberulis. Fructus niger oblongus 17–20 mm. longus 8–10 mm. latus.

NOM. JAP. Kegi (vernac.)

DISTR. Bonin: Volcano islands, insl. Sulphur. (leg. S. NISHIMURA ! no. 139, Maio 1, 1918.)

Rubus (Idaeobatus, Spectabilis) Nishimuranus Koidz. nov. sp.

Species distinctissima foliis ramorum fertilium simplicibus sepalis integris.

Caules perennes procumbentes petiolisque setoso-aculeati, ramis atro-fuscescentibus versus apicem dense pubescentibus, ramulis novellis tomentosus. Folia caulina ternata ramulorum floriferorum trilobata vel indivisa. Foliola membranacea utrinque dense pubescentia; terminale vulgo petiolulatum ellipticum vel elliptico-ovatum basi late cuneato-attenuatum ad 17 cm. longum 7, 5 cm. latum; lateralia oblique ovata sessilia vel vix petiolulata basi oblique rotundata ad 13 cm. longa, 6 cm. lata; omnia acuminata argute incisso-serrata, costa media subtus parce aculeolata; petiolis ad $7\frac{1}{2}$ cm. longis pubescenti-tomentosis; stipulis petiolaris lanceolatis vel oblique oblongis acuminatis extus parce villosis. Flores albi foliis coetanci in ramulis brevibus solitarii ampli 3–3½ cm. lati, spectabiles, ut videtur nutantes, pedicellis calyceque tomentosus, cupula plana inermis; sepala ovato-lanceolata apice breviter vel caudato-acuminata intus albovelutina; petala ovato-orbicularia unguiculata; stamina numerosa glabra; ovaria glabra carpophorio sericeo-villoso.

NOM. JAP.

DISTR. Bonin: insl. Chichijima, Fukurozawamura (lg. S. NISHIMURA ! no. 121, Apr. 21, 1918.)

Scutellaria longituba Koidz. n. sp.

Species insignis foliis ovatis glabris ad 9 cm. longis crenatis basi rotundatis apice obtusissimis manifeste petiolatis, racemis terminalibus, corollae tubo longissimo circ 4,5 cm. longo pubescente.

Herba perennis ad 2 ped. alta superne densius puberula. Folia chartaceo-membranacea supra ad costas subtus ubique dense et minute pilosa ovata $3\frac{1}{2}$ –9 cm. longa, 2,3–5 cm. lata, obtusissima vel subrotundata, basi rotundata, plerumque versus basin obscuriter pluri (5–6)

crenata; petiolis 8–14 mm. longis ut pedicelli, calyces, corollaeque pilis minoribus eglanduriferis densissimis et longioribus albis glanduliferis horizontaliter patentibus vestita; floribus albis binis circ. $5\frac{1}{2}$ cm. longis, pedicellis 3–4 mm. longis, bracteis obovatis basi cuneatis pedicello brevioribus. Calyx 4 mm. longus, squama maxima erecta aequilonga ac lata. Corollae tubus longe et angustissime exsertus basi aequalis superne sensim dilatatus, labio infero semiorbiculato 6 mm. longo, supero trilobo late ovato apice rotundato circ. 3 mm. longo.

NOM. JAP.

DISTR. Bonin: insl. Chichijima, Hatsuncyama (leg. S. NISHIMURA! no. 127, Apr. 21, 1918.)

Machilus (*Eumachilus*) **pseudokobu** KOIDZ. n. sp.

Species *M. Kusanoi* HAYAT. affinis, inflorescentiis gilvovelutinis tepalis ovatisque facile distinguenda.

Arbor magna trunco 6–8 metr. alto 1–3 ped. lato. Rami exsiccati atro-fusci vel nigrescentes glabri nodoso-inflati, lenticellis orbicularibus usque lineari-elongatis brunneis remote dispersi; ramulis novellis minute ferrugineo-pilosis. Gemmae ovoideae circ. 9 mm. longae, perulis coriaceis 5–6-seriatis semiorbicularibus extus minute gilvo-pilosis margine dense fimbriatis. Folia coriacea subtus minute fulvo-pilosa cito glabra, plerumque oblanceolata raro oblanceolato-vel lineari-oblonga rarissime elliptica vel oblonga 7–15 cm. longa 2– $4\frac{1}{2}$ cm. lata, (7–14: $2\frac{1}{2}$ –5; $5\frac{1}{2}$ –9: $2\frac{1}{2}$ –4) acuta vel obtusa, basi cuneata raro obtusissima integra; costa media supra impressa subtus elevata, nervis secundariis 6–12 supra planis subtus vix elevatis; petiolis 2–3 cm. longis mox glabris. Panicula ad folium novellum axillaris cum pedunculo 6–10 cm. longa, pedunculis pedicellisque minute gilvo-tomentosis, floribus albis 5 mm. longis 6 mm. latis. Calyx glaber 6-fidus, segmentis late ovatis acutis vel obtusis pellucido-punctatis costatis. Stamina 9 filamentis basi minute villosis, antheris pellucido-punctatis, staminodia 3 ovoidea flavescentes breviter stipitata. Ovarium fere globosum glabrum stylis subulatis. Bacca globosa nigra 8–10 mm. lata.

NOM. JAP. Tabugashii (nov.)

DISTR. Bonin: insl. Chichijima, Sunosaki (leg. S. NISHIMURA! no. 32, Jul. 1, 1917), Fukurozawamura (leg. NISHIMURA! no. 115, Apr. 21, 1918.)

Machilus (*Notaphoebe*) **boninensis** KOIDZ. n. sp.

Haec planta *M. longifoliae* proxima sed foliis minoribus saepe oblongis acutis, tepalis brevioribus in fructu erectis; differt etiam a *M.*

Thunbergii ramis post decorticationem atro-miniatis, foliis tenuioribus subtus glaucis apice acutis nec obtuse acuminatis, saepe lanceolatis, florum tepalis brevioribus.

Arbor glabra trunco 4–8 metr. alto 0.8–1.0 ped. lato; ramis exsiccatis nigrescentibus post decorticationem atro-miniatis, lenticellis elevatis remote dispersis. Folia coriacea subtus glauca lanceolata vel oblongo-lanceolata raro oblonga vel anguste oblonga 7–9 cm. longa 2–3 cm. lata, (9–12 : 3½–5½) basi cuneata vel acuta, apice acuta vel obtuse acutata, costa media supra fere plana subtus leviter elevata, nervis secundariis utrinque 9–11, utraque pagina fere plana, petiolis 1½–2½ cm. longis. Flores albi vix 5 mm. longi in paniculam paucifloram (circ. 7–11) cum pedunculo 7–9 cm. longam ex axillis foliorum novellorum dispositi, pedicellis gracilibus ad 0,5–1.5 cm. longis. Perianthium profunde 6-fidum, tubo obconico vix 1.5 mm. longo, segmentis pellucido-punctatis exterioribus 3 lineari-oblongis apice rotundatis, interioribus elliptico-ovatis obtusissimis, omnibus persistentibus in fructu erectis adpressis. Stamina 9 glabra, staminodia 3; ovaria fere globosa stylis subulatis stigmatibus tenuibus. Bacca nigra circ. ad 10 mm. longa ac lata, calyce persistente basi in pedicellum circ 10 mm. longum clavatum abeunte.

NOM. JAP, Ogasawara-awogashi (nov.)

DISTR. Bonin: insl. Chichishima, Ohgimura (lg. S. NISHIMURA ! no. 116, Feb. 21, 1918.) Sunosaki (lg. S. NISHIMURA ! no 157, Maio 15, 1918.)

Neolitsea boninensis Koidz. n. sp.

Affinis *N. auratae* (HAYAT.) (= *Tetradenia aurata* HAYATA, Icon Pl. Formos. V. 1915, p. 174.) a quo foliis subtus glaucis; florum tepalis anguste oblongis vel lanceolato-oblongis distinguitur.

Arbor trunco 4–6 met. alto, 1–2 ped. lato; ramis exsiccatis nigris vel fuscis, ramulis novellis dense sericeo-villosis. Gemmae foliiferae ovoideae circ. 5 mm. longae, perulis exterioribus semiorbiculatis coriaceis ferrugineo-tomentosis, interioribus ovato-orbicularibus apice mucronato-acutis tenuioribus gilvo-tomentosis. Gemmae floriferae fere globosae 3 mm. latae pauci-perulatae ferrugineo-tomentosae. Folia novella supra versus basin densius fulvo-puberula subtus gilo-velutina, adulta coriacea supra glabra nitida, subtus ferrugineo-velutina mox glaucescentia, oblonga raro oblongo-ovata vel elliptica 4–11 cm. longa 2–5 cm. lata, obtusa vel obtusissima raro obtuse producta, basi rotundata vel obtuse cuneata, integerrima; costa triplinervia et saepe trinervia utraque latere 4–5 supra plana subtus prominentia; petiolis 2–2,8 cm. longis

mox glabris. Flores albi circ. 3–4 mm. longi in umbellulam sessilem pauci—plurifloratam dispositi, pedicellis 4–5 mm. longis, adpresse sericeo-tomentosis. Fl. ♀: perigonio profunde 4-fido, laciniis oblongo-lanceolatis acutis extus adpresse et dense sericeo-villosis; staminodia glabra plerumque 6, exteriora 4 clavata eglandulifera, interiora 2 basi bi vel uniglandulifera; ovaria ovoidea glabra, stylis teretibus adpresse sericeis, stigmatibus dilatato irregulariter pauci-lobato. Bacea globosa nigra fere 10 mm. lata pedicellis 9 mm. longis.

NOM. JAP. Ogasawara-shirodamo (nov.)

DISTR. Bonin: insl. Chichishima, Lenjudani (lg. S. NISHIMURA! no. 53, Jul. 5, 1917,) Ohgimura (lg. S. NISHIMURA! no. 126, Dec. 23, 1917.)

Neolitsea gilva Koidz. n. sp.

Ad *N. glaucae* (THUNB.) Koidz. affinis sed foliis tenuioribus minoribus, fl. ♀ tepalis oblongo-lanceolatis sericeo-tomentosis, stylis elongatis stigmatibus discoideis; etiam a *N. boninensi* Koidz. foliis novellis supra gilvo-tomentosis adultis tenuioribus supra opacis, ovato-oblongis vel lanceolato-oblongis apice acuminatis, stylis glabrisque differt.

Arbor trunco 4–6 metr. alto 1–2 ped. lato; ramis griseis verruculosis, ramulis exsiccatis nigris innovationibus gilvo-tomentosis. Folia juvenilia supra adpresse gilvo-tomentosa subtus gilvo-velutino-tomentosissima; adulta coriacea supra glabra opaca, subtus glaucescentia, lanceolata vel oblongo-lanceolata 7–12½ cm. longa 2–4 cm. lata, breviter acuminata, basi obtusa vel cuneata, integerrima, costa triplinervia nervis secundariis utraque latere 5 supra planis subtus leviter elevatis; petiolis 12–22 mm. longis mox glabris. Umbellulae ♂ ignotae; ♀ ad axillas foliorum delapsorum sessiles pedicellis gilvo-tomentosis 3 mm. longis, floribus 3 mm. longis albis. Perianthium ♀ densissime villosum profunde 4-fidum, segmentis lanceolato-vel anguste oblongis rarius oblongo-obovatis; staminodia 6 exteriora 4 clavata, interiora breviora glandulifera. Ovaria ovoidea stylis clavatis glabris stigmatibus discoideo irregulariter lobulato. Bacea nigra globosa 8–10 mm. lata, pedicellis 13–14 mm. longis.

NOM. JAP. Nagaba-shirodamo (nov.)

DISTR. Bonin: insl. Chichijima, Ohgimura (lg. S. NISHIMURA! no. 125, Dec. 23, 1917); Kuwanoki-yama (lg. S. NISHIMURA! no. 87, Aug. 26, 1917.)

Neolitsea glauca (THUNB.) Koidz. nom. nov.

Laurus glauca THUNB. Fl. Jap. (1784) p. 173.

Litsea glauca SIEB. Syn. Pl. Occ. Jap. (1827) 24, —SIEB. et Zucc.

Fl. Jap. Fam. Nat. (1846) 207 ;—Miq. Prol. Fl. Jap. 128 ;—Fr. et Sav. Enum. Pl. Jap. I. 413.

Litsea glauca MEISN. in DC. Prodr. XV. I, (1864) 224, (quoad Sp. ex Japonia !)

Tetradenia glauca MATSUM. Ind. Pl. Jap. II. 2, (1912) 140.

Melapoeuna Sieboldiana O. Ktze. Rev. Gen. Pl. II, (1891) 572.

NOM. JAP. Shirodamo.

DISTR. Japonia australis.

Neolitsea aciculata (BL.) Koidz. nom. nov.

Litsea aciculata BL. Mus. Lugd. Batav. I. (1851) 347—Miq. Prol. Fl. Jap. 128 ;—Fr. et Sav. Enum. Pl. Jap. I. 414 :—MEISN. in DC. Prodr. XV. I, (1864) 224.

Litsea foliosa SIEB. et Zucc. Fl. Jap. Fam. Nat. II. 207 (1846). (non NEES.)

Tetradenia foliosa MATSUM. Ind. Pl. Jap. II. 2, (1912) p. 140. (non NEES.)

Tetradenia aciculata MATSUM. in Sched. Herb. Sci. Coll. Imp. Univ. Tokyo.

NOM. JAP. Inugashi.

DISTR. Japonia australis.

Neolitsea stenophylla Koidz. nov. sp.

Haec planta *N. bonineusi* Koidz. arete affinis sed foliis angustis lineari-oblongis vel lanceolatis.

Rami nigri lenticellis albidis elongatis dispersi, ramulis fuscis vel pallide fuscis adpresse sericeis. Folia coriacea supra glabra nitida subtus ferrugineo-velutina dein glaucescentia triplinervia lanceolata vel lineari-oblonga 5–8 cm. longa $1\frac{1}{2}$ – $2\frac{1}{2}$ cm. lata, obtusa, basi late cuneata, integerrima, nervis secundariis 4–5 supra planis subtus leviter elevatis ; petiolis 17–22 mm. longis mox glabris. Bacca globosa circ. $6\frac{1}{2}$ –8 mm. lata, pedicellis 7–9 mm. longis.

NOM. JAP. Hosoba-shirodamo (nov.)

DISTR. Bonin : insl. Chichijima, (lg. Prof. S. KUSANO ! Jul. 1912.)

Eugenia oxygona Koidz. nov. sp.

Rami annotini ferrugineo-brunnei, hornotini pallide brunnei, ramulis novellis minutissime fusco-tomentosis. Folia coriacea primum margine minutissime pilosa mox glabra, utrinque minute elevato-punctata, in specimina sicca supra atro-viridia subtus pallide ferruginea, elliptico- vel oblongo-obovata $3\frac{1}{2}$ – $7\frac{1}{2}$ cm. longa 1,8– $3\frac{1}{2}$ cm. lata, apice obtusa, basi

late cuneata, margine integra; petiolis 5–9 mm. longis mox glabris; floribus in axillis foliorum racemosis, racemis circ. 4-floris pedunculis circ. 3 cm. longis pedicellisque minutissime fusco-tomentosis, pedicellis oppositis 5–6 mm. longis, calyce glabro tubo ovoideo vel globoso circ. 5–5½ mm. alto. ac lato, lobis 4 ellipticis vel ovato-ellipticis 5½ mm. longis apice rotundatis vel obtusissimis.

NOM. JAP.

DISTR. Bonin: insl. Chichishima (leg. Prof. S. KUSANO! Jul. 1912.)

Rhamnus senanensis Koidz. nov. sp.

R. koraiensi C. K. SCHN. affinis foliis elliptico- vel oblongo-obovatis basi cuneato-attenuatis, semine dorso sulco clauso nec basi aperto satis distincta.

Frutex ad 2 m. altus spinosus, ramuli alterni hornotini fulvo-brunnei, vetustiores glabri cinerascete. Folia alterna decidua membranacea utrinque pilis minutis tomentosis velutina, oblongo vel elliptico-obovata raro obovata, rarissime oblanceolato-oblonga vel elliptica, 3–7½ cm. longa, 1.4–3.4 cm. lata, apice abrupte obtusa, basi cuneato-attenuata, crenato-serrata, costa utraque latere 7–9 subtus pubescenti-tomentosa; petiolis 8–20 mm. longis tomentosis. Flores 1–4-fasciculati tetrameri. Fructus obovoidci nigri circ. 6 mm. longi, pedicellis 6–9 mm. longis mox glaberrimis; pyrenae 2 dehiscentes, semina ellipsoidea circ. 5½ mm. longa laevia, dorso distincte sulcata, sulco perfecte clauso.

NOM. JAP.

DISTR. Nippon: Prov. Shinano, mt. Togakushi-yama. (lg. K. HISAUCHI! Aug. 3, 1918.)

(To be Continued.)
